

STATUS OF THE CLAIMS

1. (Currently Amended) A lubricative composition for industrial machinery and equipment, said composition comprising a base oil selected from mineral oils, fats and oils, synthetic oils and mixtures of two or more of them, and the following components A, and (C): ~~at least one additive selected from the following components (B) to (D);~~

wherein component (A) is a phosphorus compound comprising (A-1) a phosphorus-containing carboxylic acid and (A-2) a thiophosphoric ester;

~~wherein component (B) is a dispersant viscosity index improver;~~

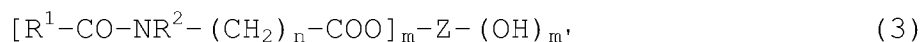
wherein component (C) comprises (C-1) and/or (C-2), wherein (C-1) comprises at least one kind of a compound represented by the following formulas (1) to (3):



wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $X^1$  is hydrogen, an alkyl group having 1 to 30 carbon atoms or an alkenyl group having 1 to 30 carbon atoms, and  $n$  is an integer of 1 to 4,



wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $Y^1$  is an alkali metal or an alkali earth metal,  $n$  is an integer of 1 to 4, and  $m$  is 1 when  $Y^1$  is an alkali metal and 2 when  $Y^1$  is an alkali earth metal, and



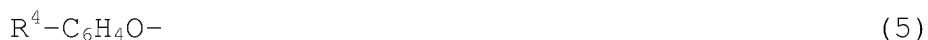
wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl

group having 1 to 4 carbon atoms, Z is a residue having a hydroxyl group removed from a polyhydric alcohol with two or more valences, m is an integer of 1 or more, m' is an integer of 0 or more, m + m' is a valence number of Z, and n is an integer of 1 to 4,

and wherein (C-2) comprises a compound represented by the following formula (4):



wherein ~~R<sup>3</sup> is an alkyl group having 7 to 29 carbon atoms,~~ an alkenyl group having 7 to 29 carbon atoms or a group represented by the formula (5):



wherein R<sup>4</sup> is an alkyl group having 1 to 20 carbon atoms or hydrogen; ~~and~~

~~wherein component (D) is an ester oiliness improver.~~

2.-9. (Canceled).

10. (Currently Amended) A lubricative composition for industrial machinery and equipment which comprises a base oil selected from mineral oils, fats and oils, synthetic oils and mixtures of two or more of them; component (C); and at least one additive selected from components ~~(A),~~ (B) and (D);

~~wherein component (A) comprises (A-1) a phosphorus-containing carboxylic acid or (A-2) a thiophosphoric ester;~~

wherein component (B) is a dispersant viscosity index improver;

wherein component (C) comprises (C-1) and/or (C-2),

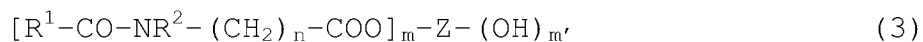
wherein (C-1) comprises at least one kind of a compound represented by the following formulas (1) to (3):



wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $X^1$  is hydrogen, an alkyl group having 1 to 30 carbon atoms or an alkenyl group having 1 to 30 carbon atoms, and  $n$  is an integer of 1 to 4,

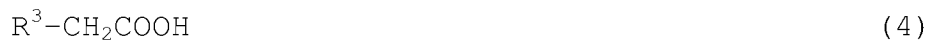


wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $Y^1$  is an alkali metal or an alkali earth metal,  $n$  is an integer of 1 to 4, and  $m$  is 1 when  $Y^1$  is an alkali metal and 2 when  $Y^1$  is an alkali earth metal, and



wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $Z$  is a residue having a hydroxyl group removed from a polyhydric alcohol with two or more valences,  $m$  is an integer of 1 or more,  $m'$  is an integer of 0 or more,  $m + m'$  is a valence number of  $Z$ , and  $n$  is an integer of 1 to 4,

and wherein component (C-2) comprises a compound represented by the following formula (4):



wherein  $R^3$  is an alkenyl group having 7 to 29 carbon atoms or a group represented by the formula (5):



wherein  $R^4$  is an alkyl group having 1 to 20 carbon atoms or hydrogen; and

wherein component (D) is an ester oiliness improver which is an ester of a polyhydric alcohol and a fatty acid of monobasic

acids and is any one selected from the following esters of (D-1) to (D-3):

(D-1): an ester of a polyhydric alcohol and an unsaturated fatty acid containing a partial ester with the degree of esterification of 1 and a partial ester with the degree of esterification of 2 or more;

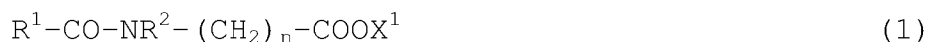
(D-2): a whole ester of a polyhydric alcohol and a mixture of fatty acids, wherein the fatty acids are short-chained fatty acids and long-chained fatty acids; and

(D-3): an ester of a polyhydric alcohol and a branched saturated fatty acid containing a partial ester with the degree of esterification of 1 and a partial ester with the degree of esterification of 2 or more.

11.-13. (Canceled)

14. (Currently Amended) A lubricative composition for industrial machinery and equipment, the composition consisting essentially of a base oil selected from mineral oils, fats and oils, synthetic oils and mixtures of two or more of them, and component (C), wherein component (C) consists of (C-1) and/or (C-2),

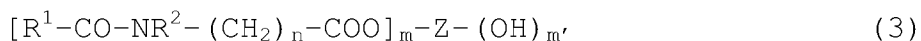
Wherein ~~component~~ (C-1) consists of at least one compound represented by the following formulas (1) to (3):



wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $X^1$  is hydrogen, an alkyl group having 1 to 30 carbon atoms or an alkenyl group having 1 to 30 carbon atoms, and  $n$  is an integer of 1 to 4,



wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $Y^1$  is an alkali metal or an alkali earth metal,  $n$  is an integer of 1 to 4, and  $m$  is 1 when  $Y^1$  is an alkali metal and 2 when  $Y^1$  is an alkali earth metal, and



wherein  $R^1$  is an alkyl group having 6 to 30 carbon atoms or an alkenyl group having 6 to 30 carbon atoms,  $R^2$  is an alkyl group having 1 to 4 carbon atoms,  $Z$  is a residue having a hydroxyl group removed from a polyhydric alcohol with two or more valences,  $m$  is an integer of 1 or more,  $m'$  is an integer of 0 or more,  $m + m'$  is a valence number of  $Z$ , and  $n$  is an integer of 1 to 4,

and wherein (C-2) is a compound represented by the following formula (4):



wherein  $R^3$  is an alkenyl group having 7 to 29 carbon atoms or a group represented by the formula (5):



wherein  $R^4$  is an alkyl group having 1 to 20 carbon atoms or hydrogen.